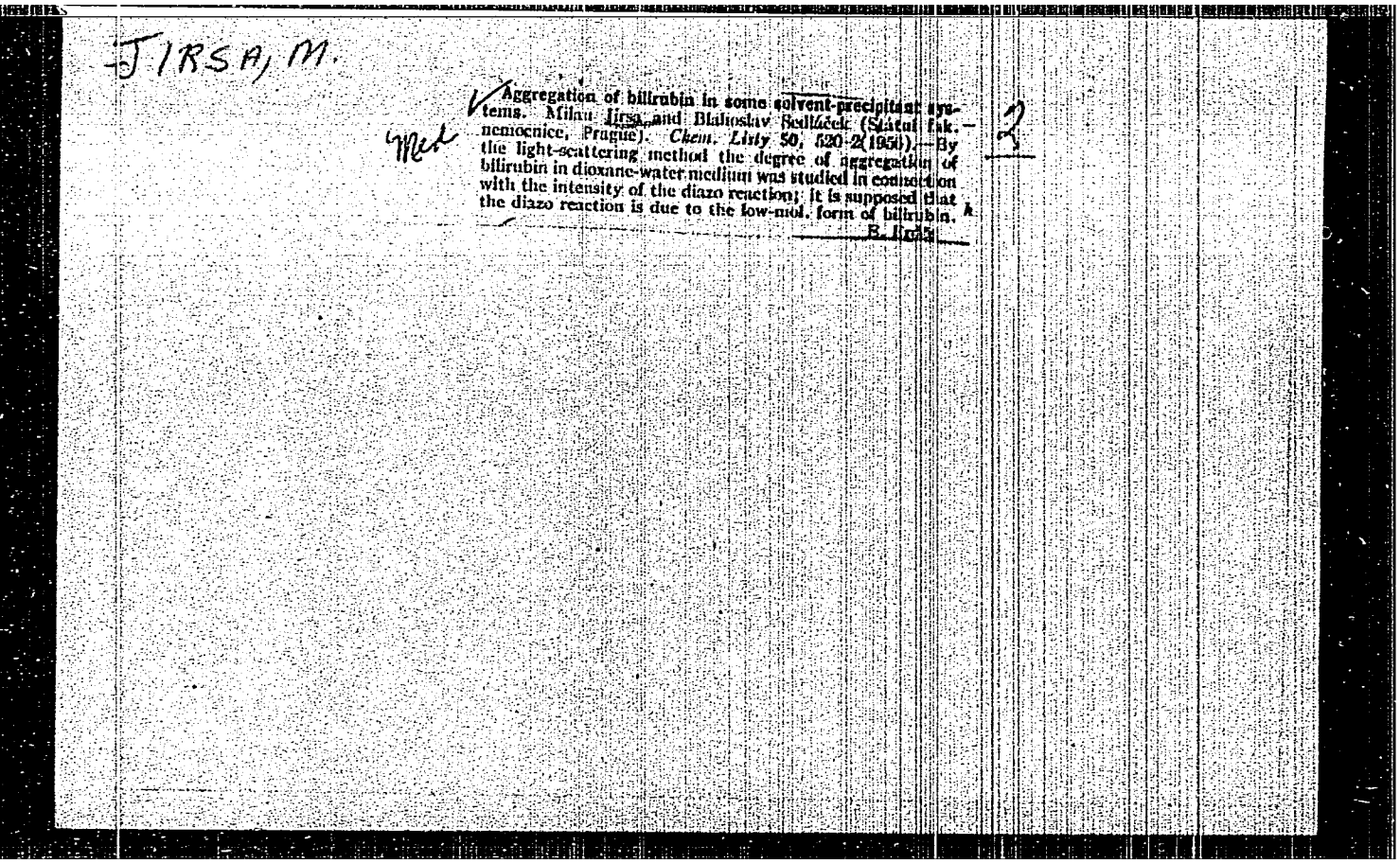
"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3



JIRSA, M.

Aggregation of bilirubin in some solvent-precipitant systems. Milan Jirsa and Blahoslav Sedláček (Státní fak. nemocnice, Prague). *Chem. Listy* 50, 520-2(1950).—By the light-scattering method the degree of aggregation of bilirubin in dioxane-water medium was studied in connection with the intensity of the diazo reaction; it is supposed that the diazo reaction is due to the low-mol. form of bilirubin.
R. Lieb

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSA, M.

Clinical significance of the discovery of di- and monotaurobilirubin.
Rev. Czech. M. 3 no.3:237-239 1957.

1. First Clinic of Internal Diseases, Charles University, Prague.
Director: Prof. M. Netousek.
(BILIRUBIN, related cpds.
di- & monotaurobilirubin, clin. significance)
(BILE ACIDS AND SALTS
same)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, V.; JANOVSKY, M.; JIRSA, M.

Results of thiocaprillic acid administration in therapy of severe hemolytic disease of newborn. Cesk. pediat. 13 no.7:620-624 Aug 58.

1. Ustav pro peci o matku a dite v Praze, prednosta pediatrickeho useku; prim. Dr. K. Polacek Laborator patofysiologie krvetvorne soustavy a jater, I. interni klinika fakulty vseobecneho lekarstvi Karlovy university, prednosta: prof. Dr. M. Netousek. V. J., UPMD, Praha-Podoli.

(ERYTHROBLASTOSIS, FETAL, ther.
thiocaprylic acid, statist. (Cz))
(CAPRYLATES, ther. use
thiocaprylic acid in fetal erythroblastosis, statist. (Cz))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSA, M

NETOUSHEK, Milosh, [Netoušek, M.], prof., doktor; IRSA, Milan [Jirsa, M.], doktor (Chekhoslovakiya)

New concepts on bilirubin metabolism and the pathogenesis of jaundice [with summary in English]. Klin.med. 37 no.1:40-44 Ja '59. (MIRA 12:3)

1. Iz pervoy terapevticheskoy kliniki Karlova universiteta v Prage i laboratorii patofiziologii sistemy krovotvoreniya pri pervoy terapevticheskoy klinike (dir. - prof. d-r. M. Netoushek).

(BILIRUBIN, metab.
in jaundice (Rus))
(JAUNDICE, metab.
bilirubin (Rus))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HOLY, J.; JIRASEK, A.; JIRSA, M.

Intestinal obstruction caused by a biliary calculus. Cas.lek.cesk. 98 no.48:1476-1479 27 N '60.

1. I. interni klinika KU v Praze, prednosta prof.dr. M. Netousek. I. chirurgicka klinika KU v Praze, prednosta akademik A. Jirasek.
(INTESTINAL OBSTRUCTION etiol.)
(CHOLELITHIASIS compl.)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRASEK, Vaclav; JIRSA, Milan

Contribution to the problem of mesobiliviolin reaction. Cas.lek. cesk. 99 no.7/8:214-218 19 F '60.

1. I. interni klinika KU a Vyzkumna laborator pro patofyziologii krvetvorny a jater w Praze, prednosta prof. MU Dr. Milos Netousek.
(BILIRUBIN chem.)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, V.; JIRSA, M.; JANOVSKY, M.; HEJNA, A.

Synthesis of direct bilirubin by liver slices. Cas.lek.cesk. 99 no.7/8:218-221 19 F '60.

1. Ostav pro peci o matku a dite v Praze, prednosta pediatrickeho useku prim. dr. K. Polacek. Laborator pro patofyziologii krvetvorne soustavy a jater v Praze, prednosta prof. dr. M. Netousek.
(BILIRUBIN metab.)
(LIVER metab.)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HOENIG, V.; JIRSA, M.; HOENIGOVA, J.

Excretion of bromsulphthalein and its metabolites into the bile in acute hepatitis, cirrhosis and hemolytic disease. Cas.lek.cesk 100 no.17:519-525 28 Ap '61.

1. I interni klinika a laboratore pro patofyziologii krvetvorby a jater fakulty vseobecneho lekarstvi KU v Praze, prednosta prof. dr. V. Hoenig.

(LIVER FUNCTION TESTS) (HEPATITIS diag)
(LIVER CIRRHOSIS diag) (JAUNDICE, HEMOLYTIC diag)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSA, M.

Chromatographic separation of rose bengal preparations. Cesk. farm. 11 no.7:357-358 S '62.

1. Laborator patofyziologie krvetvorne soustavy a jater, Praha.
(ROSE BENGAL) (CHROMATOGRAPHY)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

RABAN, P.; JIRSA, M.

The distribution and metabolism of rose bengal-^{131}I in rats.
Physiol. Bohemoslov. 12 no.4:382-385 '63.

1. Institute of Biophysics, Medical Faculty and Laboratory for Haematology and Liver Diseases of the First Medical Clinic, Charles University, Prague.
(ROSE BENGAL) (IODINE ISOTOPES) (FLUORESCEINS)
(CHROMATOGRAPHY) (URINE) (METABOLISM)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HYKES, [illegible], JIRSA, M.

A simple method of column chromatography of bromsulphalein.
Cesk. farm. 13 no.10:505-506 D '64

1. Laborator pro patofysiologii krve[illegible]ne soustavy a jater fakulty vseobecneho lekarstvi Karlovy University, Praha.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HERINGOVA, A.; JIRSOVA, V.; JIRSA, M.

Bilirubin absorption by the intestines. Cesk. pediat. 19 no.8:713-716 Ag '64.

1. Ustav pro peci o matku a dite v Praze (vedouci pediatrickeho useku doc. dr. K. Polacek, CSc.) a Laborator patofyziologie krvetvorne soustavy a jater I. interni kliniky fakulty vseobec-neho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Hoenig, DrSc.).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HERINGOVA, A., JIRSA, M.; JIRSOVA, V.

Bile pigments in the feces of newborn infants and small children and their relation to diet. Cesk. pediat. 19 no.12:1090-1093 D '64.

1. Ustav pro peci o matku a dite v Praze (reditel doc dr. M. Vojta; vedouci pediatricke casti doc. dr. K.Polacek, CSc.) a I. interni klinika fakulty vseobec. lekarstvi Karlovy University v Praze (prednosta prof. V.Hoenig, DrSc.).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HERINGOVA, A.; JIRSA, M.; JIRSOVA, V.

Isolation of urobilinoid in infant feces and a study of its properties. Cas. lek. cesk. 103 no.41:1132-1135 9 O '64.

1. Ustav pro peci o matku a dite Praha-Podoli (reditel doc. dr. M. Vojta, vedouci pediatrickeho vyzkumu doc. dr. K. Polacek, CSc) a I interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Hoenig, DrSc).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSA, M.; RABAN, P.; GREGORA, V.

Adsorption chromatography of water-soluble dyes used in biology and medicine. Cas. lek. cesk. 104 no.7:195-197 19 F'65.

1. Laborator pro patofyziologii krvetvorne soustavy a jater fakulty vseobecneho lekarstvi Karlovy University v Praze pri I. interni klinice, (prednosta: prof. dr. V. Hoenig); Biofyzikalni ustav fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: doc. dr. Z. Dienstbier).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HYKES, P.; JIRSA, M.; HOENIG, V.

Metabolism of a halogen analogue of bromsulphalein in rats.
Sborn. lek. 67 no.10:294-297 O '65.

1. Laborator pro patofyziologii krvetvorby a jater pri I. interni klinice fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta prof. dr. V. Hoenig, DrSc.).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HYKES, P.; JIRSA, M.; HOENIG, V.

Chromatography of commercial bromsulphalein preparations.
Cas. lek. Cesk. 104 no.43:1193-1194 29 O '65.

1. Laborator pro patofyziologii krvetvorby a jater pri I. interni klinice fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Hoenig, DrSc.).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA

HYKES, P.; JIRSA, M.; HOENIG, V.; Laboratory of Pathophysiology of Blood Formation System and Liver Diseases, Faculty of General Medicine, Charles University (Laborator pro Pathofysiologii Krvetvorne Soustavy a Jater Fakulty Vseobecneho Lekarstvi KU), Prague.

"Thin-Layer Chromatography of Bromsulphalein and of its Lower Sulfonated Derivatives Using Aluminum Oxide."

Prague, Ceskoslovenska Farmacie, Vol 15, No 4, May 66, pp 210-211

Abstract [Authors' English summary]: A simple method of thin-layer chromatography on aluminum oxide using a mixture of 10% ammonia and water in proportion of 2:1 as eluent is described. The method is suitable for the separation of phthalein derivatives sulfonated to different degrees and for the study of their metabolites. 2 Figures, 3 Western, 3 Czech references. (Manuscript received 2 Aug 65).

1/1

[illegible]:547.852.37:616.36

KUCEROVA, L.; HOENIG, V.; JIRSA, M.; SPONAROVA, J.; 1st Internal Clinic, Faculty of General Medicine, Charles University (I. Interni Klinika Fak. Vseob. Lek. KU), Prague; and [illegible]

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

Laboratory of Liver and Blood Formation at the 1st Internal Clinic (Laborator pro Patofysiologii Krvetvorby a Jater pri I. Interni Klinice), Chief (Prednosta) Prof Dr V. HOENIG.

"Albuminemia in Liver Disease Established by the Bromosulphtalein Method."

Prague, Casopis Lekaru Ceskych, Vol 106, No 7, 17 Feb 67, pp 184 - 186

Abstract [Authors' English summary modified]: Albuminemia was investigated by the BSP method, by electrophoresis, bilirubemia, and by the concentration of non-esterified fatty acids in the plasma of 50 patients suffering from liver diseases. In some cases the BSP method gave lower results than electrophoresis. This can be explained by formation of a bond between albumin and fatty acid. It is more pronounced in hypoalbuminimia. Existence of a factor causing deterioration of the BSP bond to plasma albumin is probable. 1 Figure, 8 Western, 4 Czech references. (Manuscript received June 1966).

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, Jaroslav Prague, Czechoslovakia

"Antifungal Properties of Organic Polysulphides from Cabbage," by Ludek JIROUSEK and Jaroslav JIRSAK, Endocrinological Institute, Prag 11, Narodni 8.

SOURCE: Die Naturwissenschaften, 15 Aug 56, Unclassified.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, J.

Effect of methyl-2-thiouracil on growth Leuconostoc mesemteroides. p. 69.

FOLIA MICROBIOLOGICA. (Ceskoslovenska akademie ved) Praha, Czechoslovakia. Vol. 4, no. 2, 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, no. 12, December 1959, Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Jirsak, K,

Replacement of lead cable sheaths. p. 267. ELEKTROTECHNICKY OBZOR. (Ministerstvo paliv a energetiky) Praha. Vol. 45, no. 5, May 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, M.

"Size of the fractions of crushed stone." (p. 322). STAVIVO (Ministerstvo stavebnich hmot) Praha, Vol 31, No 11, Nov. 1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, M.

A new standard for concrete construction. p. 159. INŽENYRSKÉ STAVBY. (Ministerstvo stavebnictvi) Praha. Vol. 4, no. 7, Apr. 1954.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, MIROSLAV

Slozky a skladba dobreho betonu. [Vyd. 1.] Praha, Statni nakl. technicke literatury. 1957. 159 p. [Components and compostion of a good grade of concrete. 1st ed. illus., bibl., diagrs., footnotes, graphs, index, tables]

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

Card 1/1

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

~~AUTHOR~~ JIRSAK, M

CZECHOSLOVAKIA / Chemical Technology. Chemical Products and H
Their Application. Ceramics. Glass. Binding
Materials. Concretes.

Abs Jour: Ref Zhur-Khimiya, No 19, 1958, 65220

Author : Jirsak Miroslav
Inst : -
Title : The Czechoslovakian-Polish Scientific Conference
on the Technology of Concrete

Orig Pub: Inzen. stavby, 1958, 6, No 1, 46-50

Abstract: No abstract.

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, Miroslav, inz., dr.

Czechoslovak-Polish scientific conference on the technology of concrete. Inz stavby 6 no.1:46-50 Ja '58.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

H-13

Country : Czechoslovakia
Category :

L6653

Abs. Jour. :

Author : Jirsak, M.; Sloupensky, J.
Institut. :
Title : Investigation of Effectiveness of Internal Vibrators by Means of Radioactive Isotopes

Orig Pub. : Inzen. stavby, 1958, 6, No 10, 530-534

Abstract : Description of a method of determining the density of concrete by means of gamma-radiation, making use of the radicactive isotope Co^{60}. -- Ya. Satuncvskiy.

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, M.

"An experimental roadway of slag concrete1"

p. 3 (Silnice) Vol. 7, no. 1, Jan. 1958.
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA

KUCEROVA, L.; HOENIG, V.; JIRSA, M.; FAVIAN, E.; 1st Internal Clinic, Faculty of General Medicine, Charles University (I. Interni Klinika Fakulty Vseobecneho Lekarstvi KU), Prague, Head (Prednosta) Prof Dr V. HOENIG; Laboratory for Pathophysiology of Blood Formation and Liver Diseases at the 1st Internal Clinic (Laborator pro Patofysilogii Krvetvorby a Jater pri I. Interni Klinice), Head (Prednosta) Prof Dr V. HOENIG.

"Determination of Albuminaemia by Means of the Sulfohromophthalein Method in Icteric Sera."

Prague, Casopis Lekaru Ceskych, Vol 105, No 19, 13 May 1966, pp 515-516

Abstract: The property of albumin to form a bond with sulfobromophthalein can be used in the determination of albumin; with increasing concentration of albumin the extinction of the added sulfobromophthalein decreases; albumin binds more of the colorless part of the sulfobromophthalein, and a new equilibrium between the colored and colorless parts of sulfobromophthalein is formed. The values found by this method correspond to those found by the electrophoresis method. 1 Figure, 7 Western, 2 Czech references.

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, Zdenek

Cisteni odpadnich vod. (Purification of Waste Water. 1st ed. illus., bibl., tables) Prague, Dopravni nakl., 1957. 126 p.

Basic knowledge on the purification of wast water and the appropriate installations.

Bibliograficky katalog, CSR, Ceske knihy, No. 32, 17 Sept. 57, p. 682-83

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAK, Z.

A report on the activities of the railroad section of the Czechoslovak Scientific Technical Society for Transportation.

p. 308 (Zeleznicni Technika. Vol. 5, no. 11, Nov. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

IRSAK, ZDENEK

KOSINA, Vladimir, inzhener; IRSAK, Zdenek [Jirsak, Zdenek], inzhener.

New equipment on Czechoslovak railroads. Zhel. dor. transp. 39 no.5:17-24 My '57. (MLRA 10:6)

1. Zamestitel' nachal'nika TSentral'nogo tekhnicheskogo otdela Ministerstva transporta (for Kosina). 2. Nachal'nik sektora TSentral'nogo tekhnicheskogo otdela Ministerstva Transporta (for Irsak).
(Czechoslovakia--Railroads--Equipment and supplies)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAKOVA, A.

CZECHOSLOVAKIA

JIRSAKOVA, A; LORENC, J.

1.Faculty Transfusion Station UNV-KNV (Fakultni transfusni stanice UNV-KNV), Prague; 2. Surgical Clinic of the Faculty of Hygiene (Chirurgicka klinika Hyg. fak. KU), Prague - (for all)

Prague, Vnitrni lekarstvi, No 4, 1963, pp 327-334

"Response of the Body to Blood Transfusion from the Immunologic Viewpoint. I. Changes in the Level of Properdin, Complement and its Components."

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSÁKOVÁ, A.

Czechoslovakia

Faculty Transfusion Station UNV-KNV -- Prague (Fakultní transfusní stanice UNV-KNV -- Praha); Head: J. MĚŠT'AN, MD

Prague, Vnitřní lékařství, No IX-2, 1963, pp 179-184

"A Study of Some Nonspecific Immunologic Factors in Conserved Blood (Properdin, complement and its components)."

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSAKOVA, Anna

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: RNDr

Affiliation: Faculty Transfusion Station UNV-KNV /Ustredni narodni vybor-Krajsky narodni vybor; Central People's Committee-Kraj People's Committe/ Fakultni transfuzni stanice UNV-KNV , Prague 10; Director: J. MRSTAN, MD.

Source: Prague, Prakticky Lekar, Vol 41, No 10, 1961, pp 480.

Data: "Experience With Cardiolipide-Flocculation Antibody."

GPO 981643

958

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

VOJTISKOVA, Marta; VIKLICKY, V.; JIRSAKOVA, Anna; NOUZA, K.; POKORNA, Zora

Amethopterin treatment of experimental allergic aspermatogenesis in mice and morphological changes of lymphoid organs. Folia biol. (Praha) 11 no.5:364-370 '65.

1. Institute of Experimental Biology and Genetics, Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

RABAN, P.; JIRSKA, M.; GREGORA, V.

Deiodination of rose bengal ^{131}I in vitro by rat organ homogenates. Physiol. Bohemosl. 13 no.5:462-466 '64.

1. Department of Biophysics, Faculty of General Medicine, and Laboratory for Haematology and Liver Diseases, First Medical Clinic, Charles University, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, B.

75th anniversary of Sbornik Lekarsky. Sborn. lek. 66 no.1: 1-5 Ja '64.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA B.

VACLAVIK, A.; ZAJICOVA, B.; JIRSOVA, B.

[Contribution of the Red Cross to health protection and education]
Ceskoslovensky Cerveny kriz pomaha zdravotnicke praci a osvete.
Zdravot.rev. 25 no.3:59-62 31 Me '50. (CLML 19:1)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

MILOVA, A.; BALIK, S. ; JISOVA, H.

Changes in the adaptation width of the visual analyser produced by reading Landolt panels in subjects of different age. Activ. nerv. sup. (Praha) 7 no.2:175-176 '65

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSA, M.; RASKA, B.; JIRSOVA, V.

Determination of γ-globulin. Cas. lek. cesk. 90 no. 10:315-317 9 Mar 1951. (CIML 20:7)

1. Of the Laboratory of Masaryk Sanatorium for Children and of the Central Laboratory of the State District Hospital in Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Jirsová, Věra

V. The preparation of standard curves with colloidal [illegible] rubin. Milan Jirsa and Věra Jirsová (1[illegible] Univ., Prague). *Časopis Lékařů Českých* 94, 1010–3(1955). —The use of bilirubin (I) standards dissolved in $CHCl_3$–ROH mixt. is considered unsatisfactory owing to rapid oxidation (especially in the presence of light), possible catalytic activity of I oxidation products, and frequent pptn. of I. Colloidal dispersions of I, stabilized with saponin (II) behave in the same way as indirect I in the diazo reaction and have been found stable for several days irrespective of illumination. Five mg. I is placed in a 50-ml. calibrated flask, 0.45 ml. 0.1*N* NaOH and 100 mg. II are added. The red-brown soln. is immediately treated with 0.3 ml. AcOH and the yellow colloidal soln. is then made to 50 ml. with 0.1*N* NaOH. This soln. (pH 5) is dild. with an equal vol. of NaOAc buffer (50 ml. 0.1*N* NaOH + 0.3 ml. AcOH, pH 5) to 5 mg. % I; 1–4 mg. % concns. are obtained by further dilg. with the same buffer. Known methods of I estn. can be used. Linear calibration curves remain unchanged even after 40 days in the refrigerator; only 4% decrease was noted after 4 days in sunlight at room temp. [illegible] M. H.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, V.

JIRSOVA, V.

Neurological manifestations in newborn and their characteristics.
Cesk. pediat. 11 no.11:819-830 Nov 56.

1. Ustav pro peci o matku a dite v Praze-Podoli, red. prof.
Dr. J. Trapl, prednosta pediatr useku doc. Dr. K. Kubat.
(NERVOUS SYSTEM, physiol.
neurol. manifest. in newborn (Cz))
(INFANT, NEWBORN, physiol.
neurol. manifest. (Cz))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Jirsova, V.

ZNAMENACEK, K.; JIRSOVA, V.

Neurological examination of the newborn with CNS trauma.
Cesk. pediat. 11 no.11:830-831 Nov 56.

1. UPMD Praha-Podoli.. Reditel prof. Dr. J. Trapl. Vedouci pediatrickeho useku: doc. K. Kubat.
(CENTRAL NERVOUS SYSTEM, wds & inj.
in newborn, diag. methods (Cz))
(INFANT, NEWBORN, dis.
CNS inj., diag. methods (Cz))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Jirsova, V

JIRSOVA, V., Dr. (Praha-Podoli, Nabr. K. Marxe 157.)

Kernicterus. Cesk. pediat. 13 no.1:59-63 5 Jan 58.

1. Ustav pro peci o matku a dite v Praze, prednosta pediatrickeho useku prof. Dr K. Kubat.

(ERYTHROBLASTOSIS, FETAL,
kernicterus, review (Cz))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, V.; JANOVSKY, M.; JIRSA, M.

Results of thiocaprillic acid administration in therapy of severe hemolytic disease of newborn. Cesk. pediat. 13 no.7:620-624 Aug 58.

1. Ustav pro peci o matku a dite v Praze, prednosta pediatrickeho useku; prim. Dr. K. Polacek Laborator patofysiologie krvetvorne soustavy a jater, I. interni klinika fakulty vseobecneho lekarstvi Karlovy university, prednosta: prof. Dr. M. Netousek. V. J., UPMD, Praha-Podoli.

(ERYTHROBLASTOSIS, FETAL, ther.
thiocaprylic acid, statist. (Cz))
(CAPRYLATES, ther. use
thiocaprylic acid in fetal erythroblastosis, statist. (Cz))

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

KUNC, Zdenek; JIRSOVA, Vera; BRACHFELD, Karel

Growth-fracture of the temporal bone in an infant. Cesk. pediat. 15 no.2:140-144 F '60.

1. Neurochirurgicka klinika KU v Praze, prednosta doc. dr. Zdenek Kunc, Ustav pro peci o matku a dite v Praze-Podoli, primar dr. Karel Polacek, II. detska klinika KU v Praze, prednosta prof. dr. Josef Houstek.
(TEMPORAL BONE fract. & disloc.)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, V.; JIRSA, M.; JANOVSKY, M.; HEJNA, A.

Synthesis of direct bilirubin by liver slices. Cas.lek.cesk. 99 no.7/8:218-221 19 F '60.

1. Ostav pro peci o matku a dite v Praze, prednosta pediatrickeho useku prim. dr. K. Polacek. Laborator pro patofyziologii krvetvorne soustavy a jater v Praze, prednosta prof. dr. M. Netousek.
(BILIRUBIN metab.)
(LIVER metab.)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HERINGOVA, A.; JIRSOVA, V.; JIRSA, M.

Bilirubin absorption by the intestines. Cesk. pediat. 19 no.8:713-716 Ag '64.

1. Ustav pro peci o matku a dite v Praze (vedouci pediatrickeho useku doc. dr. K. Polacek, CSc.) a Laborator patofyziologie krvetvorne soustavy a jater I. interni kliniky fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Hoenig. DrSc.).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

HERINGOVA, A., JIRSA, M.; JIRSOVA, V.

Bile pigments in the feces of newborn infants and small children and their relation to diet. Cesk. pediat. 19 no.12:1090-1093 D '64.

1. Ustav pro peci o matku a dite v Praze (reditel doc dr. M. Vojta; vedouci pediatricke casti doc. dr. K.Polacek, CSc.) a I. interni klinika fakulty vseobec. lekarstvi Karlovy University v Praze (prednosta prof. V.Hoenig, DrSc.).

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA

JIRSOVA, V., KOLDOVSKY, O., HERINGOVA, A; Institute of Care for Mother and Child, Physiological Institute, Czechoslovak Academy of Sciences (Ustav pro Peci o Matku a Dite, Fysiologicky Ustav CSAV), Prague.

"Activity of Beta-Glucuronidase in Liver of Young Mammals."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 90-91

Abstract: Beta-glucuronidase activity in newborn rats is substantially lower than in adult animals. In guinea pigs the activity is highest and decreases before it levels off after 24 days. In rabbits the activity increases in the first 3 days, then levels off. In mice it does not change. 1 Figure, 6 Western, 2 Czech references. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

1/1

HERINGOVA, A.; JIRSA, M.; JIRSOVA, V.

Isolation of urobilinoid in infant feces and a study of its properties. Cas. lek. cesk. 103 no.41:1132-1135 9 O '64.

1. Ustav pro peci o matku a dite Praha-Podoli (reditel doc. dr. M. Vojta, vedouci pediatrickeho vyzkumu doc. dr. K. Polacek, CSc) a I interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. V. Hoenig, DrSc).

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

KOLDOVSKY,O.; HERINGOVA,A.; JIRSOVA,V.

Activity of β-glucosidase in the jejunum and ileum of the rat during postnatal development. Physiol. Bohemoslov. 14 no.3: 228-232 '65.

1. Institute of Physiology, Czechoslovak Academy of Sciences and Institute for the Care of Mother and Child, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

(6)

CZECHOSLOVAKIA/EAST GERMANY

HERINGOVA, A., KOLDOVSKY, O., NOACK, R., SCHENK, G., JIRSOVA, V., BRANA, H., CHYTIL, F., FRIDRICH, M., Institute for Care of Mother and Child, Physiological Institute, Microbiological Institute, Czechoslovak Academy of Sciences (Ustav pro Peci o Matku a Dite, Fysiologicky Ustav, Mikrobiologicky Ustav CSAV) Prague; Nutrition Institute (Institute fur Ernahrung) Rehbrucke.

"Activity of Beta-Galactosidase of Jejunum Homogenate and Isolated Fractions of Microparticles in 14 Day Old Rats."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, pp 89-90

Abstract: The jejunum homogenate has maximum activity at pH 3.5, the microparticle fraction at pH 5.5. It appears that two beta-galactosidases are present in the jejunum. The two show different affinity for various substrates. 1 Figure, 4 Western, 1 Czech reference. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

(3)

CZECHOSLOVAKIA

HOSKOVA, J., KOLDOVSKY, O., HERINGOVA, A., JIRSOVA, V., CHYTIL, F; Physiological Institute, Czechoslovak Academy of Sciences, Institute of Care for Mother and Child, and Microbiological Institute, Czechoslovak Academy of Sciences (Fysiologicky Ustav CSAV, Ustav pro Peci o Matku a Dite a Microbiologicky Ustav CSAV) Prague.

"Activity of Beta-Galactosidase in Jejunum and Ileum of Guinea Pigs, Mice and Rabbits in Postnatal Development."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 2, Feb 66, p 90

Abstract: The optimum activity in mice is at pH 3.5, guinea pigs and rabbits have two optimums, one at pH 3.5, the other at 5.5. Changes in the activity due to the age of the animals are described. 1 Western, 2 Czech references. Submitted at "16 Days of Physiology" at Kosice, 30 Sep 65.

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APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

KRAUS,R.; VACEK,Z.; JIRSOVA,Z.

On the decidual transformation of the oviduct mucosa. Cesk. morf. 12 no.1:74-84 '64.

1. Embryologicky ustav lekarske fakulty University Karlovy v Praze; prednosta doc. MUDr. Z. Vacek.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRSOVA, Z.

Cytological and cytochemical changes of the chorion in tubal pregnancy. Cesk. morf. 13 no.2:123-130 '65

1. Institute of Embryology, Faculty of Medicine, Charles University, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, E.

Staffa, E. How to keep all personal safety devices in order. p. 617.
TECHNICKA PRACA, Bratislava, Vol. 6, no. 10, Oct. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, E. - Vol. 3, no. 1, Jan. 1955, STROJIRENSKA VYROBA

A suit for working with heat. p. 38.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU,E.

Personal safety of workers in the power industry. p.310

ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava elektaren) Praha

Vol. 5 no. 8, Aug. 1955

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA / Cultivated Plants. Grains. M-3

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72873.

Author : Jiru, Jarmila.
Inst : Not given.
Title : Measuring Grain Moisture and Air Moisture in a Grass-Stand of Grain Crops.

Orig Pub: Meteorol. zpravy, 1957, 10, No 2, 41-44.

Abstract: No abstract.

Card 1/1

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, Jiri; STRASLIPKA, Miloslav

Standards of fuel consumption for road machines. Siln doprava 11 no.2: 24-25 F '63.

1. Ustav normovani ve stavebnictvi.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, PAVEL

4

CZECH

Working conditions of the fluidizing calcinator type for pyrite. D. Singer, Jan Hofovský, and Pavel Jiru. *Chem. Průmysl* 15(30), No. 2, 60-3(1965).—A discussion is given of the optimal operating conditions for the fluidizing pyrite oven, based on experiments and observations on existing installation of this type. J. A. Fischer

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, P.; SINGER, D.; BENOVSKY, J.

Work conditions of the fluidization roasting furnace. p. 478. CESKOSLOVENSKY HORNIK. (Ministerstvo palic a Svaz zamestnancu v hornictvi) Praha. Vol. 5, no. 11, Nov. 1955.

SOURCE: East European Accessions List, Vol. 5, no. 9, September 1956

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, P.

The development of lumber-drying kilns for temperatures lower than 100° C. p. 195. (DREVARSKY VYSKUM, Vol. 1, No. 1/2, Oct 1956, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Jiru P.

CZECHOSLOVAKIA/Physical Chemistry - Kinetics, Combustion. B-9
Explosives, Topochemistry, Catalysis

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 3855

Author : Danes V., Jiru P.
Title : Highly Active Mixed Nickel-Magnesium Oxide Catalyst. Preliminary Communication.

Orig Pub : Chem. listy, 1956, 50, No 2, 302-304; Sb. chekhosl. khim. rabot, 1956, 21, No 3, 765-767

Abstract : Description of the preparation of a mixed catalyst (C) by decomposition of a mixture of oxalates of Ni and Mg, precipitated from solutions of the nitrates of both elements with oxalic acid, and decomposed in a high vacuum at 430° for 10 hours. In the same unit was determined the activity of the catalyst during hydrogenation of a current of C_6H_6. Surface of the fully decomposed C containing only Ni (24%) and MgO, calculated by the BET method, is of 466 m^2/g. With an amount of catalyst corresponding to

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, P.

Hygrostats. p.103.
(Drevarsky Vyskum, Vol. 2, No. 1, Apr. 1957, Bratislava, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Applications. Elements. Oxides. Mineral
Acids, Bases, Salts.

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 12327.

Author : Jiru, Pavel; Brull, Julius.
Inst : Not given.
Title : Surface Structure of Native Silica Gel Carriers
and Catalysts for Oxidation of Sulfur Dioxide.

Orig Pub: Chem. prumysl, 1957, 7, No 12, 652-654.

Abstract: The possibility is investigated of obtaining from infusorial earth (IE) a catalyst or catalyst carrier by means of working the surface of IE. It was established that the addition of soluble salts favorably influences the surface structure of a carrier of IE Type SK. The process of vanadization of the catalysts obtained from IE of LM and SK qualities was investigated. Bib. 6 titles. -- I. Yelinek.

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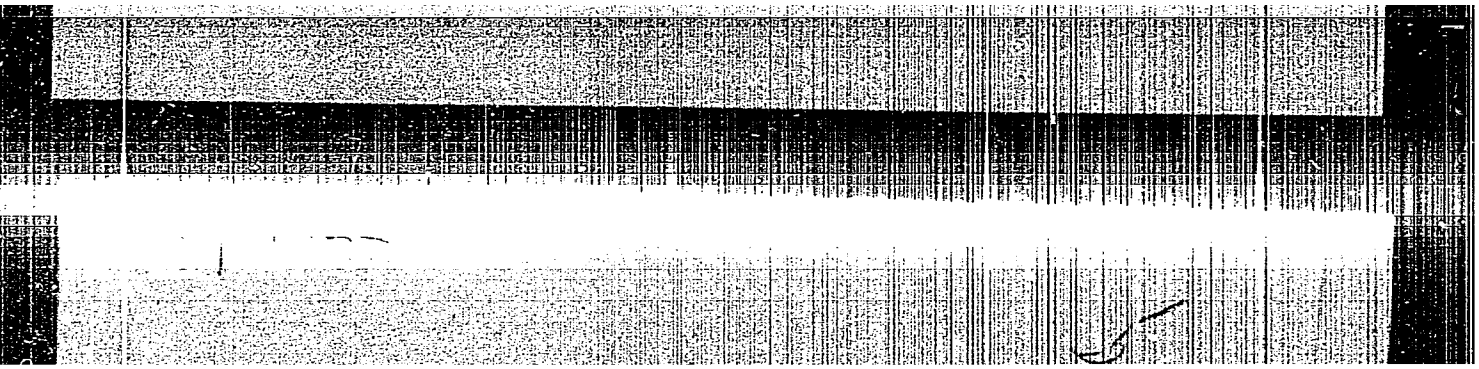

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, P.

CZECHOSLOVAKIA / Laboratory Equipment, Apparatus, Their Theory, Construction and Application. F

Abs Jour: Ref Zhur-Khimiya, No 18, 1958, 60802.

Author : Pavel Jiru, Milos Ralek, Karel Chabek.
Inst : -
Title : All-Glass Magnetic Pump for Gas Circulation.

Orig Pub: Chem. listy, 1957, 51, No 9, 1770-1772.

Abstract: An all-glass gas circulation laboratory pump is described; it is used at the study of reaction kinetics in gaseous phase. The electromagnets setting the piston into movement are controlled by an electronic device. The arrangement of electronic devices with thyratrons of electronic

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CZECHOSLOVAKIA / Physical Chemistry. Surface Phenomena. B
Adsorption Chromatography. Ion Exchange.

Abs Jour: Ref Zhur-Khimiya, 1958, No 24, 80891.

Author : Jiru P., Brull J.
Inst : Not given.
Title : Determination of Surface Area and of Structure of Kieselguhrs by Measuring Physical Adsorption of Nitrogen and True and Bulk Densities.

Orig Pub: Chem. listy, 1957, 51, No 12, 2189-2194.

Abstract: A number of Czechoslovakian kieselguhrs (I) were analyzed by measuring their specific surface areas, by performing roentgenographical analyses, densities, bulk desities (with the aid of He and Hg), and detailed chemical analyses. The obtained results were compared with similar data from literature given for several European and

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRŮ PAVEL.

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27 27

An active platinum-silica gel catalyst. Pavel Jiru and Vladimír Jára (Výzkumný ústav anorg. chem., Ústí n.L., Czech.). *Chem. listy* 52, 1042-3(1958).—Mixing 500 ml. pure 3.5% SiO_2 sol with 0.33 ml. 10% H_2PtCl_6 soln., letting the solidified jelly stand 12 hrs., cutting the slab into cubes 3 × 3 × 3 cm., and drying at 100° gives a catalyst contg. 0.18% Pt, 0.01% Cl^- and only traces of Mg, Cu, Fe, K, and Na; the catalyst has a surface 690 sq. m./g. and a high activity in the $2H_2 + O_2$ reaction.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, P.

reports to be presented at the 2nd Intl Congress on Catalysis, Paris, France, 4-9-Jul '60.

Czechoslovakia

BERANEK, L., and BAZANT, V. - "The mechanism of the dehydration of alcohols on alumina" (Section II)

DANES, V. - "Study of the characteristics of [illegible] powder catalysts during their formation. Nickel catalysts." (Section II)

JECH, C. - "Release of radioactive inert gases from surface labeled platinum during catalytic and surface reactions" (Section II)

JIRU, P., and JARA, V. - "The influence of alkali metal sulfates on the activity of vanadium pentoxyde in the catalytic oxidation of sulfur dioxide" (Section II)

KADLEC, O., and DANES, V. - Investigationby a new method of the formation of catalysts"

KLIER, K. - "Contribution on the mechanism of chemisorption of carbon monoxide and carbon dioxide on nickel oxide" (Section II)

MIKOLAJENKO, V., and DANES, V. - "Contribution to the clarification of reasons for catalytic activity on Ni-Mg^{0} mixed catalytic agents"

NOVAKOVA, J. - "Thermal decomposition of some oxalates" (Section II)

PONEC, V., and KNOR, Z. - "Adsorption on evaporated metal films" (Section II)

RALEK, M. - "Magnetic investigations of nickel blend catalyzers" (Section II)

Hungary

BLICKLE, T., KALDI, P., de JONGE, J. - "The oxidation of anhydrous sulfure in a fluidized bed of ferric oxide" (Section III)

GAL, Dezso, SIROK AN (sic), F., and DUTKA, Ferenc - "Tracer studies on catalytic styrene oxidation" (Section I)

SZABO, Z. G., and SOLYMOSI, F. - "Influence of the defect structure of apporter on the activity of catalyst" (Section II)

SZABO, Z. G., and MARTA, F. - "Mechanism of the influencing of nitric oxide in the thermal decomposition of propionic aldehyde" (Section I or II)

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JIRU, P.

Distr: 4E2c

5

A thermogravimetric study of the thermal decomposition of the bisulfates of alkali metals. D. Tomková, P. Jirů, and J. Rosický (Výzkumný ústav anorg. chemie, Ústí n. L., Czech.). *Collection Czechoslov. Chem. Commun.* 25, 1157–9 (1960).—The decompn. temps. of the hydrogen sulfates and pyrosulfates according to the reactions $MHSO_4 \rightarrow M_2S_2O_7$ and $M_2S_2O_7 \rightarrow M_2SO_4$ were detd. thermogravimetrically: $NaHSO_4.H_2O$ 205, 370; $KHSO_4$ 210, 395; $RbHSO_4$ 265, 445; $CsHSO_4$ 270°, 470°; these values indicate the beginnings of the 2 reactions given above. B. Erdős

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Jiru, P.

Distr: 4E2c

Influence of alkali sulfates on the activity of vanadium pentoxide in the catalytic oxidation of sulfur dioxide. Pavel Jiřů, Dáša Tomková, Vladimír Jára, and Jarka Vaníkova (Inst. anorg. Chem., Ústí n. Labem, Czech.). *Z. anorg. u. allgem. Chem.* 303, 121–8(1960).—X-ray diffraction data for different mixts. of V_2O_5 and Rb_2SO_4 or Cs_2SO_4 fused at 450–500° show formation of new compds. of approx. compn. $V_2O_5.Rb_2SO_4$ and $V_2O_5.Cs_2SO_4$. The catalytic activity of $V_2O_5.M_2SO_4$ (M = alkali metal) prepns. mixed with SiO_2 (V content = 6%) on the oxidn. of SO_2 increases with increasing at. no. of M over the temp. range 420–525°; at 420° the rate const. for the Rb or Cs prepn. is 9 times that for the K prepn. The activation energy is 70–80 kcal. and 30–40 kcal. in lower and higher temp. regions, resp.; the transition temp. between the 2 regions decreases with increasing at. no. of M from 525° (Li) to 460° (Rb or Cs).

Richard H. Jaquith

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Z/009/61/000/010/001/003
E112/E135

AUTHORS: Grubner, Otto, Rálek, Miloš, and Jírů, Pavel

TITLE: Preparation and properties of molecular sieves A

PERIODICAL: Chemický průmysl, No.10, 1961, pp.521-523

TEXT: Molecular sieves A are commercially not available in Czechoslovakia and the authors now describe laboratory methods for their preparation. Procedures are based on available literature. Compounds prepared were: Sieve 4 A (sodium-aluminosilicate), Sieve 5 A (calcium-aluminosilicate) and Sieve 3.8 A (potassium-aluminosilicate). The produced compounds were examined by the following methods. 1) X-ray powder photographs according to Debye—Scherrer. 2) Quantitative analysis (Al_2O_3 and CaO determined with Complexons). 3) Densities (determined by pycnometer with helium and mercury). 4) Absorption properties. Examples of absorbed compounds are listed for each type of molecular sieve. Properties of the domestic and foreign materials were found to be identical. The authors have also undertaken the preparation and study of molecular sieves 10 X and 13 X, details of which will be published in a future paper.

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Preparation and properties of Z/009/61/000/010/001/003
E112/E135

Acknowledgments are expressed to Messrs. Svoboda, Kučera, Habesberger, Schürrer, Černy, Jakubíčkova, Jirátora and Jiřičkova, for their assistance. There are 1 table and 16 references: 6 Soviet-bloc and 10 non-Soviet-bloc. The four most recent English language references read:

Ref.2: R.M. Barrer. British Chem. Eng. 1 (1959).
Ref.4: R.M. Barrer, J.W. Baynham, F.W. Bultitude, W.M. Meier. J. Chem. Soc. 195 (1959).
Ref.7: R.A. Labine, Chemical Engng 104 (1959).
Ref.11: L. Broussard, D.P. Schoemaker. J. Am. Chem. Soc. Vol.82, 1041 (1960).

ASSOCIATION: Ústav fyzikální chemie ČSAV, Praha
(Institute of Physical Chemistry, ČSAV, Prague)

SUBMITTED: March 28, 1961

Card 2/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, Pavel; KUBICA, Ludvik

Stabilized vanadium oxidation catalysts for sulphuric acid production. Chem prum 12 no.5:232-236. My '62.

1. Ustav fyzikalni chemie, Ceskoslovenska akademie ved, Praha and Zavod Dukla-Hrusov, Ostrava.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, Pavel; GRUBNER, Oto; RALEK, Milos

Preparation and properties of molecular type X sieves.
Chem prum 12 no.7:355-357 Jl '62.

1. Ustav fyzikalni chemie, Ceskoslovenska akademie ved, Praha.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, P.; NOVAKOVA, J.

Kinetics and mechanisms of exchange reactions of oxygen ^{18}O with oxidation catalysts. Part 1. Coll Cz Chem 28 no.1:1-10 Ja '63.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

NOVAKOVA, J.; JIRU, P.

Kinetics and mechanism of exchange reactions of oxygen ^{18}O with oxidation catalysts. Pt.2. Coll Cz Chem 29 no.5:1114-1121 My '64.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

TICHY, Josef; JIRU, Pavel

Apparatus for velocity measurement of the catalytic oxidation of methanol on formaldehyde. Chem Ind ity 58 no. 4:460-465 Ap '64.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

WICHTERLOVA, Blanka; JIRU, Pavel

Kinetics of catalytic oxidation of methanol to formaldehyde on a Fe_2O_3-MoO_3 catalyst. Chem prum 15 no.4:198-202 Ap '65.

1. Institute of Physical Chemistry of the Czechoslovak Academy of Sciences, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA

JIRU, P.; TICHY, J.; WICHTERLOVA, B.

Institute for Physical Chemistry,(Institut für physikalische Chemie), Czechoslovak Academy of Sciences, Prague (for all)

Prague, Collection of Czechoslovak Chemical Communications, No 2, Feb 1966, pp 674-688

"Kinetics of oxidation of methyl alcohol with formaldehyde on an oxide catalyst."

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

CZECHOSLOVAKIA

BLIZNAKOV, G; JIRU, P; KLISSURSKI, D

Institute of General and Inorganic Chemistry, Bulgarian Academy of Sciences,(Institut fur allgemeine und anorganische Chemie, Bulgarische Akademie der Wissenschaften), Sofia, Bulgaria (for all; Permanent address Jiru: Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague)

Prague, Collection of Czechoslovak Chemical Communications, No 7, July 1966, pp 2995-2997

"Contribution to the study of the kinetics of oxidation of methyl alcohols with MnO_2-MoO_3-as catalysts."

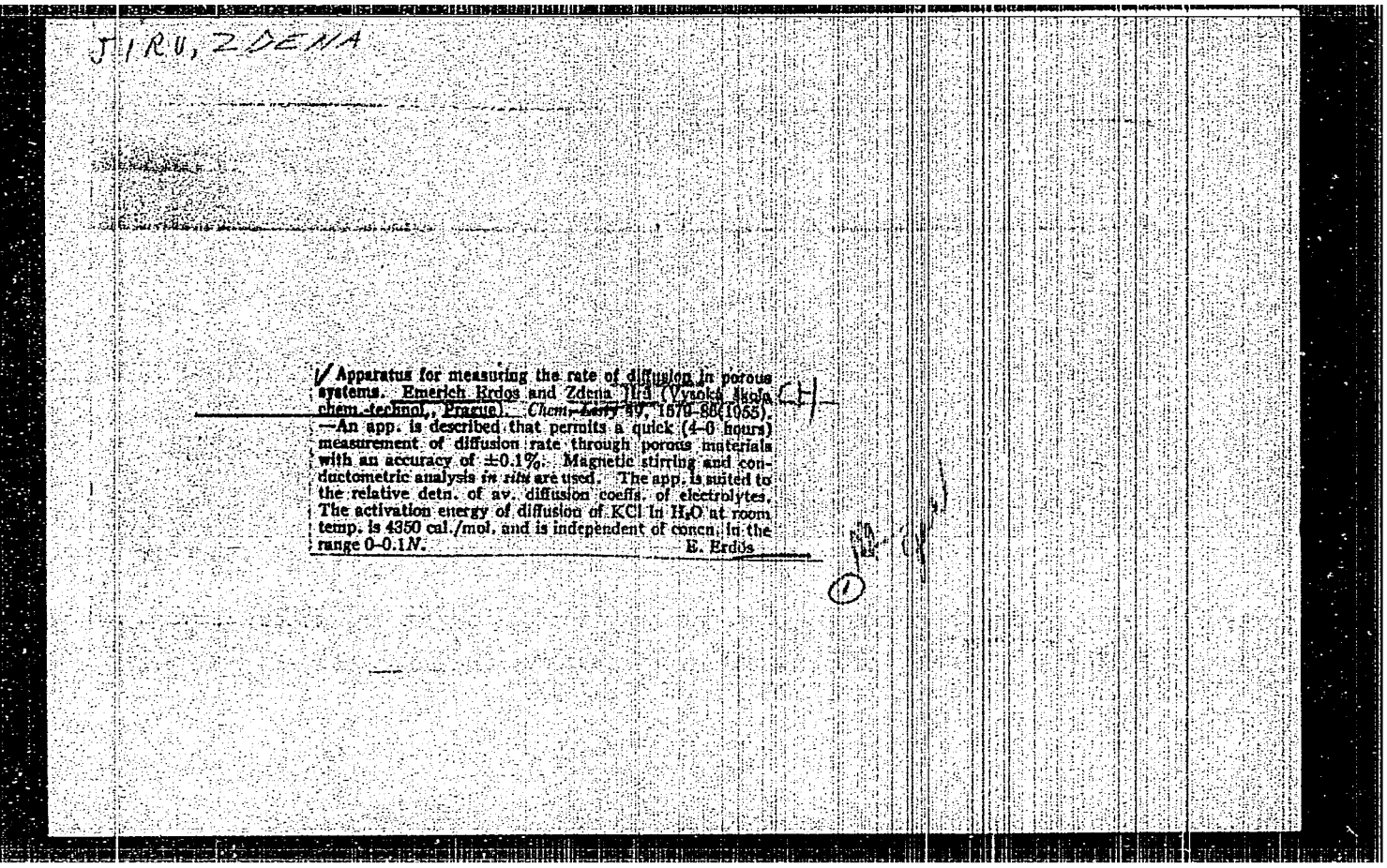
"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRU, Pavel, inz. dr. (Praha)

Problem of sawn timber drying in combines. Drevo 18 no.11: 416-422 N'63.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3



JIRU, ZDENA

Apparatus for measuring the rate of diffusion in porous systems. Emerich Erdos and Zdena Jiru (Vysoká škola chem.-technol., Prague). *Chem. Listy* 59, 1070–80(1965).—An app. is described that permits a quick (4–6 hours) measurement of diffusion rate through porous materials with an accuracy of ±0.1%. Magnetic stirring and conductometric analysis *in situ* are used. The app. is suited to the relative detn. of av. diffusion coeffs. of electrolytes. The activation energy of diffusion of KCl in H_2O at room temp. is 4350 cal./mol. and is independent of concn. in the range 0–0.1*N*. E. Erdös

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JIRU, Z

Category: Czechoslovakia/Fitting Out of Laboratories. Instruments, H.
Their Theory, Construction and Use.

Abs Jour: Referat Zhur-Khimiya, No 9, 1957, 31153

Author : Erdos E., Jiru Z.
Inst : not given
Title : Apparatus for Measuring Diffusion Rate in Porous Systems.

Orig Pub: Sb. chekhosl. khim. rabot, 1956, 21, No 3, 526-534

Abstract: See RZhKhim, 1956, 68884.

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA

RAIMACHER, Rudolf, MVDr; JIRUSKA, Frantisek, MVDr.

No affiliation but Hradec Kralove for both

Prague, Veterinarstvi, No 2 [Feb] 1967, pp 79-83

"Bromthymol peroxide test."

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRUCHA, A.

"Safety Appliances in Soviet Railroad Traffic." p. 30 (Zeleznice, Vol. 3, no. 2, 1953, Praha)

SO: Monthly List of East European Accessions, Vol. 3, no. 2, Library of Congress, Feb. 1954, Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRUSKA, Karel, inz.

Awards given by the Czechoslovak Academy of Agricultural sciences for the solved research tasks. Vestnik CSAZV 9 no.2: 59-73 '62.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JIRUSKOVA, H.

JIRUSKOVA, H.

Problems of losses in research on nutrition. p. 134 (Vyziva Lidu. Prha. Vol. 9, no. 9, Sept. 1954)

SO: Monthly List of East European Accession (EEAL), LC, Vol. 4, No. 6, June 1955, Uncl.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

JISA, Vaclav

Mechanical forming by pneumatic elements. Stroj vyr 12 no.7: 509-511 Jl '64

1. Tesla National Enterprise, Roznov, Plant Elektrosignal, Prague.

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Ceramics. Glass. Binding Materials. Concrete. - Binding Materials. Concrete and Other Silicate Construction Materials. H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20316

Author : Jiskra, Josef
Inst :
Title : Heat Insulating Properties of Slag Pumice Cement.

Orig Pub : Stavba, 1958, 5, No 8, 243-248

Abstract : Physico-chemical mechanical properties are described of slag pumice (SP) (specific weight 2000 kg/m3, gram-molecular

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CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Ceramics. Glass. Binding Materials. Concrete. - Binding Materials. Concrete and Other Silicate Construction Materials. H

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 20316

weight without shrinkage of grains 700-980 kg/m3, with shrinkage 820-1150 kg/m3, stability about 33 kg/cm3, water capacity 4-12 percent) and slag pumice cement (SPC) (specific weight 1236-1720 kg/m3, coefficient of diffusion 4.7-18.7 kg/m hour mm H_2O) with thickness of sample 7-20 cm; absorption of H_2O in a state of equilibrium with a relative moisture of 55-80 percent is significantly lower than in the pumice-tuff and cavitite concretes.

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H-45

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. H

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

89268
Z/023/60/000/004/004/004
A224/A026

9, 9110 (1041, 1046, 1060)

AUTHORS: Hájková, Jaroslava; Jiskra, Miroslav

TITLE: On the Occurrence of the Sporadic E-Region Over Europe

PERIODICAL: Studia Geophysica et Geodaetica, 1960, No. 4, pp. 409 - 415

TEXT: The paper deals with the evaluation of the statistical material on the occurrence of the sporadic E-region over Central Europe. The material was collected between January 1, 1955, and December 31, 1958, by tracing the propagation of short and ultrashort waves (30 - 100 Mc), at distances of 500 to 2,000 km, at the Ionospheric Station of the Gephysical Institute of the Czechoslovak Academy of Sciences in Panská Ves (50°31.8'N-14°34.0'E). The radio broadcast was received by a commercial all-band set, and the TV broadcast by the "Leningrad T-2" set. The observation of the reception conditions was conducted daily by M. Jiskra from 0700 to 1900 hours, local time, and up to 2300 hours, Central European time, under favorable reception conditions. Remarkable is an unusual high E-region activity in the first half of August 1958, especially on the 6th, 8th, 9th, and 10th, although the Perseid shower was not very active as compared with past years, according to the Astronomical Institute of the Czechoslovak Academy of Sciences at Ondřejov.

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A224/A026

On the Occurrence of the Sporadic E-Region Over Europe

The maximum occurrence was observed in June in all years. The daily peak activity was observed between 0800 - 1100 and 1500 - 2000 hours. No correlation between the occurrence of the sporadic E-region and the storm activity was established. The paper was reviewed by P. Beckmann. There are 7 figures and 7 references: 3 Czech, 3 English, and 1 German.

ASSOCIATION: Geophysical Insitute of the Czechoslovak Academy of Sciences, Bočni II, Praha 4 - Spořilov

SUBMITTED: November 21, 1959

Card 2/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

CZECH/34-59-4-2/18

AUTHORS: Jiskra, Zdenek, Ing. and Fleischer, B.

TITLE: High-temperature X-ray Chamber (Vysokoteplotní rentgenová komůrka)

PERIODICAL: Hutnické Listy, 1959, Nr 4, pp 280 - 287 (Czechoslovakia)

ABSTRACT: For studying the microstructure of various substances at elevated temperatures, a high temperature X-ray chamber was designed and built which permits investigation of temperatures of 1 400 °C and even higher. The temperature of the specimens is measured by means of a thermocouple. The applied method of correcting the thermocouple readings by using calibration curves, which were determined by the micro X-ray methods from the dilation of the lattice of chemically pure platinum, is described. Exposures were obtained of chemically pure platinum up to 1 200 °C, of a silver up to 800 °C and of various steels in the temperature range 20 to 1 100 °C with exposure times of 60 to 100 min. The chamber was specifically designed to enable easy mounting of current-type Czech-produced "Mikrometa" X-ray apparatus. The chamber is designed to take specimens

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in the form of either a thin rotating wire, a small block or a strip without rotation or with rotation. The specimens are heated in a system consisting of two coaxial cylindrical resistance furnaces with a 3.5 mm high diffraction slot between them; an explicit cross-sectional drawing of the furnace is reproduced in Figure 1. The furnaces are replaceable; they are fitted with platinum-rhodium heating wires for temperatures up to 1 400 °C and for higher temperatures they can be fitted with tantalum heating wires. The entire furnace assembly fits into the film-holder which is capable of taking films of 57.3 or 64 mm dia. (see Figures 3-6). The specimen can be centred by means of a servomotor even when it is in the hot state in vacuum. The electric circuit diagram is shown in Figure 8. The 57.3 mm film is used for rapid determination of the structure. For accurate exposures an assembly with a 190 mm dia. film is used; in this case the film is on the outside of the chamber and any number of exposures can be taken without it being necessary to open the chamber. The

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High-temperature X-ray Chamber CZECH/34-59-4-2/18

vacuum in the chamber can be maintained within the limits of 10^{-4} to 10^{-5} mm Hg.
There are 13 figures, 32 references, 6 of which are German, 18 English, 2 Soviet and 6 Czech.

ASSOCIATION: Výzkumný ústav hutnictví železa MHD, Praha (Ferrous Metallurgy Research Institute of the Ministry of Mining and Metallurgy, Prague)

SUBMITTED: November 17, 1958

Card 3/3

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3"

"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

83422
Z/034/60/000/010/005/005
E073/E535

18.3200

AUTHORS: Jiskra, Zd., Engineer and Kejha, V.

TITLE: Industrial Furnace

PERIODICAL: Hutnické listy, 1960, No.10, p.815

TEXT: Patent specification Class 18b, 21/02; 18c, 9/01; 40c, 16/01; 80c, 3; 80c, 7; PV 4757-59 dated August 15, 1959. The subject of the invention is a furnace in which a hot plasma stream from a plasma burner is used as a source of heat; this plasma stream heats the inside of the furnace including the charge. Plasma, a very hot ionized gas formed by the passage of gases or steam (usually nitrogen, hydrogen or argon) through an electric arc in the combustion chamber, is the carrier of the high temperature. The arc is usually between the tungsten cathode and a water-cooled copper anode. A burner with a flame length of about 20 cm and an operating temperature of about 16 000°C consumes 90A at a voltage of 60 V and thus the operating costs are low. A sketch of the furnace is reproduced, Fig.3; in this furnace the hot plasma stream 2 emanating from the burner 1 heats the path 3 in the vessel 4, which is made to rotate about its

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E073/E535

Industrial Furnace

vertical axis, whilst the burner itself carries out a swivelling movement. There is 1 figure.

(Note: This is a complete translation)

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"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619630003-3

S/137/62/000/006/010/163
A006/A101

AUTHORS: Jiskra, Zdeněk; Kejha, Viktor

TITLE: An industrial furnace

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 11, abstract 6B63 P (Czechoslov. patent no. 98527, 15.02.61)

TEXT: Three designs are proposed for industrial furnaces intended for metal melting or annealing of parts; the heat source is plasma, i.e. a very hot ionized gas flow (N_2, argon, air) ejected from a plasma torch. The heat flow is formed by the passage of gas through an electric arc between a tungsten cathode and a water-cooled tungsten or Cu-anode, placed in a water-cooled chamber. Peculiarities of the proposed furnace designs are either rotation or rocking of one or several plasma torches, for the purpose of a uniform heating of the molten charge.

S. Glebov

[Abstracter's note: Complete translation]

Card 1/1

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